

RAW SEQUENCE LISTING

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Application Serial Number: 10/519,400
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/519,400

DATE: 02/27/2006
TIME: 14:34:15

Input Set : F:\264231US0PCT.txt
Output Set: N:\CRF4\02272006\J519400.raw

3 <110> APPLICANT: GALLOIS, PATRICK
4 HECHT, VALERIE
5 VAROQUAUX, FABRICE
6 BLANVILLAIN, ROBERT
7 PUERTOLAS, DELPHINE
8 DELORME, VALERIE
9 ROBY, DOMINIQUE
10 DELSENY, MICHEL
12 <120> TITLE OF INVENTION: PLANT PEPTIDE WITH ANTIMICROBIAL ACTIVITY
14 <130> FILE REFERENCE: 264231US0PCT
16 <140> CURRENT APPLICATION NUMBER: 10/519,400
17 <141> CURRENT FILING DATE: 2005-01-04
19 <150> PRIOR APPLICATION NUMBER: PCT/FR03/02077
20 <151> PRIOR FILING DATE: 2003-07-04
22 <150> PRIOR APPLICATION NUMBER: FR02/08447
23 <151> PRIOR FILING DATE: 2002-07-05
25 <160> NUMBER OF SEQ ID NOS: 32
27 <170> SOFTWARE: PatentIn version 3.3
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 16
31 <212> TYPE: PRT
32 <213> ORGANISM: Arabidopsis thaliana
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (16)..(16)
38 <223> OTHER INFORMATION: Xaa is cysteine or serine
40 <400> SEQUENCE: 1
W--> 42 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
43 1 5 10 15
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 17
48 <212> TYPE: PRT
49 <213> ORGANISM: Arabidopsis thaliana
52 <220> FEATURE:
53 <221> NAME/KEY: misc_feature
54 <222> LOCATION: (16)..(16)
55 <223> OTHER INFORMATION: Xaa is cysteine or serine
57 <400> SEQUENCE: 2
W--> 59 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
60 1 5 10 15
63 Ala
67 <210> SEQ ID NO: 3
68 <211> LENGTH: 18

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69 <212> TYPE: PRT
 70 <213> ORGANISM: Arabidopsis thaliana
 73 <220> FEATURE:
 74 <221> NAME/KEY: misc_feature
 75 <222> LOCATION: (16)..(16)
 76 <223> OTHER INFORMATION: Xaa is cysteine or histidine
 78 <400> SEQUENCE: 3

W--> 80 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
 81 1 5 10 15

84 Ala Phe
 88 <210> SEQ ID NO: 4
 89 <211> LENGTH: 19
 90 <212> TYPE: PRT
 91 <213> ORGANISM: Arabidopsis thaliana
 94 <220> FEATURE:
 95 <221> NAME/KEY: misc_feature
 96 <222> LOCATION: (16)..(16)
 97 <223> OTHER INFORMATION: Xaa is cysteine or serine
 99 <400> SEQUENCE: 4

W--> 101 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
 102 1 5 10 15

105 Ala Phe Arg
 109 <210> SEQ ID NO: 5
 110 <211> LENGTH: 20
 111 <212> TYPE: PRT
 112 <213> ORGANISM: Arabidopsis thaliana
 115 <220> FEATURE:
 116 <221> NAME/KEY: misc_feature
 117 <222> LOCATION: (16)..(16)
 118 <223> OTHER INFORMATION: Xaa is cysteine or serine
 120 <400> SEQUENCE: 5

W--> 122 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
 123 1 5 10 15

126 Ala Phe Arg Glu
 127 20
 130 <210> SEQ ID NO: 6
 131 <211> LENGTH: 21
 132 <212> TYPE: PRT
 133 <213> ORGANISM: Arabidopsis thaliana
 136 <220> FEATURE:
 137 <221> NAME/KEY: misc_feature
 138 <222> LOCATION: (16)..(16)
 139 <223> OTHER INFORMATION: Xaa is cysteine or serine
 141 <400> SEQUENCE: 6

W--> 143 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
 144 1 5 10 15

147 Ala Phe Arg Glu Arg
 148 20
 151 <210> SEQ ID NO: 7

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Input Set : F:\264231US0PCT.txt
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152 <211> LENGTH: 22
153 <212> TYPE: PRT
154 <213> ORGANISM: Arabidopsis thaliana
157 <220> FEATURE:
158 <221> NAME/KEY: misc_feature
159 <222> LOCATION: (16)..(16)
160 <223> OTHER INFORMATION: Xaa is cysteine or serine
162 <400> SEQUENCE: 7
W--> 164 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
165 1 5 10 15
168 Ala Phe Arg Glu Arg Leu
169 20
172 <210> SEQ ID NO: 8
173 <211> LENGTH: 23
174 <212> TYPE: PRT
175 <213> ORGANISM: Arabidopsis thaliana
178 <220> FEATURE:
179 <221> NAME/KEY: misc_feature
180 <222> LOCATION: (16)..(16)
181 <223> OTHER INFORMATION: Xaa is cysteine or histidine
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <222> LOCATION: (23)..(23)
186 <223> OTHER INFORMATION: Xaa is cysteine or histidine
188 <400> SEQUENCE: 8
W--> 190 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
191 1 5 10 15
W--> 194 Ala Phe Arg Glu Arg Leu Xaa
195 20
198 <210> SEQ ID NO: 9
199 <211> LENGTH: 24
200 <212> TYPE: PRT
201 <213> ORGANISM: Arabidopsis thaliana
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (16)..(16)
207 <223> OTHER INFORMATION: Xaa is cysteine or serine
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (23)..(23)
212 <223> OTHER INFORMATION: Xaa is cysteine or serine
214 <400> SEQUENCE: 9
W--> 216 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
217 1 5 10 15
W--> 220 Ala Phe Arg Glu Arg Leu Xaa His
221 20
224 <210> SEQ ID NO: 10
225 <211> LENGTH: 25
226 <212> TYPE: PRT

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227 <213> ORGANISM: Arabidopsis thaliana
 230 <220> FEATURE:
 231 <221> NAME/KEY: misc_feature
 232 <222> LOCATION: (16)..(16)
 233 <223> OTHER INFORMATION: Xaa is cysteine or histidine
 235 <220> FEATURE:
 236 <221> NAME/KEY: misc_feature
 237 <222> LOCATION: (23)..(23)
 238 <223> OTHER INFORMATION: Xaa is cysteine or histidine
 240 <400> SEQUENCE: 10

W--> 242 Met Trp Trp Leu Val Gly Leu Thr Pro Val Glu Leu Ile His Leu Xaa
 243 1 5 10 15

W--> 246 Ala Phe Arg Glu Arg Leu Xaa His Leu
 247 20 25

250 <210> SEQ ID NO: 11
 251 <211> LENGTH: 48
 252 <212> TYPE: DNA
 253 <213> ORGANISM: Arabidopsis thaliana
 256 <220> FEATURE:
 257 <221> NAME/KEY: misc_feature
 258 <222> LOCATION: (46)..(48)
 259 <223> OTHER INFORMATION: nnn cysteine codon or serine codon
 261 <400> SEQUENCE: 11

W--> 262 atgtggc tagttggact tacaccaggat gagttgatcc atctnnnn 48
 265 <210> SEQ ID NO: 12
 266 <211> LENGTH: 51
 267 <212> TYPE: DNA
 268 <213> ORGANISM: Arabidopsis thaliana
 271 <220> FEATURE:
 272 <221> NAME/KEY: misc_feature
 273 <222> LOCATION: (46)..(48)
 274 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
 276 <400> SEQUENCE: 12

W--> 277 atgtggc tagttggact tacaccaggat gagttgatcc atctnnnnnc a 51
 280 <210> SEQ ID NO: 13
 281 <211> LENGTH: 54
 282 <212> TYPE: DNA
 283 <213> ORGANISM: Arabidopsis thaliana
 286 <220> FEATURE:
 287 <221> NAME/KEY: misc_feature
 288 <222> LOCATION: (46)..(48)
 289 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
 291 <400> SEQUENCE: 13

W--> 292 atgtggc tagttggact tacaccaggat gagttgatcc atctnnnnnc attt 54
 295 <210> SEQ ID NO: 14
 296 <211> LENGTH: 57
 297 <212> TYPE: DNA
 298 <213> ORGANISM: Arabidopsis thaliana
 301 <220> FEATURE:

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302 <221> NAME/KEY: misc_feature
 303 <222> LOCATION: (46)..(48)
 304 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
 306 <400> SEQUENCE: 14
 W--> 307 atgtggggc tagttggact tacaccagg tt gagttgatcc atctnnnngc atttcga 57
 310 <210> SEQ ID NO: 15
 311 <211> LENGTH: 60
 312 <212> TYPE: DNA
 313 <213> ORGANISM: Arabidopsis thaliana
 316 <220> FEATURE:
 317 <221> NAME/KEY: misc_feature
 318 <222> LOCATION: (46)..(48)
 319 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
 321 <400> SEQUENCE: 15
 W--> 322 atgtggggc tagttggact tacaccagg tt gagttgatcc atctnnnngc atttcgagag 60
 325 <210> SEQ ID NO: 16
 326 <211> LENGTH: 63
 327 <212> TYPE: DNA
 328 <213> ORGANISM: Arabidopsis thaliana
 331 <220> FEATURE:
 332 <221> NAME/KEY: misc_feature
 333 <222> LOCATION: (46)..(48)
 334 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
 336 <400> SEQUENCE: 16
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 339 cgt 63
 342 <210> SEQ ID NO: 17
 343 <211> LENGTH: 66
 344 <212> TYPE: DNA
 345 <213> ORGANISM: Arabidopsis thaliana
 348 <220> FEATURE:
 349 <221> NAME/KEY: misc_feature
 350 <222> LOCATION: (46)..(48)
 351 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
 353 <400> SEQUENCE: 17
 W--> 354 atgtggggc tagttggact tacaccagg tt gagttgatcc atctnnnngc atttcgagag 60
 356 cgtctc 66
 359 <210> SEQ ID NO: 18
 360 <211> LENGTH: 69
 361 <212> TYPE: DNA
 362 <213> ORGANISM: Arabidopsis thaliana
 365 <220> FEATURE:
 366 <221> NAME/KEY: misc_feature
 367 <222> LOCATION: (46)..(48)
 368 <223> OTHER INFORMATION: nnn is a cysteine or serine codon
 370 <220> FEATURE:
 371 <221> NAME/KEY: misc_feature
 372 <222> LOCATION: (67)..(69)
 373 <223> OTHER INFORMATION: nnn is a cysteine or serine codon

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/27/2006
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 16
Seq#:2; Xaa Pos. 16
Seq#:3; Xaa Pos. 16
Seq#:4; Xaa Pos. 16
Seq#:5; Xaa Pos. 16
Seq#:6; Xaa Pos. 16
Seq#:7; Xaa Pos. 16
Seq#:8; Xaa Pos. 16, 23
Seq#:9; Xaa Pos. 16, 23
Seq#:10; Xaa Pos. 16, 23
Seq#:11; N Pos. 46, 47, 48
Seq#:12; N Pos. 46, 47, 48
Seq#:13; N Pos. 46, 47, 48
Seq#:14; N Pos. 46, 47, 48
Seq#:15; N Pos. 46, 47, 48
Seq#:16; N Pos. 46, 47, 48
Seq#:17; N Pos. 46, 47, 48
Seq#:18; N Pos. 46, 47, 48, 67, 68, 69
Seq#:19; N Pos. 46, 47, 48, 67, 68, 69
Seq#:20; N Pos. 46, 47, 48, 67, 68, 69

VERIFICATION SUMMARY
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Input Set : F:\264231US0PCT.txt
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L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:220 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:322 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:337 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:60
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:60
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:60